

ORIGINAL

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

Operator: License # 30793

Name: Energy Marketing, Inc.

Address c/o Colt Resources Corp.

601 S. Boulder, Ste. 600

City/State/Zip Tulsa, OK 74119

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

Operator Contact Person: Mark Reichardt

Phone (918) 583-1600

Contractor: Name: Val Energy

License: 5822

Wellsite Geologist: Bob Douglass

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOV  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 2-2-94

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11/10/93 11/15/93 12/29/93  
Spud Date Date Reached TD Completion Date

API NO. 15- 077,21272-0000

County Harper

NE - SW - NE Sec. 7 Twp. 31 Rge. 8  E  W

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

1525 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 Kernohan Well # 4-7

Field Name Spivey-Grabs

Producing Formation Mississippi

Elevation: Ground 1659 KB 1664

Total Depth 4520 PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 253 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 JH 4-1-94  
(Data must be collected from the Reserve Pit)

RECEIVED  
STATE CORPORATION COMMISSION

Chloride Content 6000 ppm Fluid volume 500 bbls

Dewatering method used Hauled

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

Operator Name Attica Gas Venture

Lease Name Mae Simon License No. \_\_\_\_\_

Quarter Sec. 27 Twp. 32 S Rng. 10  E/W

County Harper Docket No. 21250

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 Mark Reichardt

Title Sr. operations Engineer Date 1-31-94

Subscribed and sworn to before me this 31<sup>st</sup> day of January 19 94

Notary Public Haren L. Jeel

Date Commission Expires 9-11-97

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/> Wireline Log Received
C	<input checked="" type="checkbox"/> Geologist Report Received
Distribution	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

PI

Operator Name Energy Marketing, Inc.

Lease Name Kernoohan

Well # 4-7

Sec. 7 Twp. 31 Rge. 8

East  
 West

County Harper

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: Dual Induction  
Compensated Porosity

Name	Formation (Top), Depth and Datum	
	Top	Datum
Cherokee	4304'	-2640'
Mississippi	4384'	-2720'

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"	28#	253'	60/40 Poz.	170	2%gel, 3%cc
Production	7 7/8"	5 1/2"	14#	4519'	50/50 Poz.	225	10% salt

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
2	4386-98', 4403-41', 4444-58'	Acid: 3108 gal. 4386-4458'
		Frac: 51,000# sd 4386-4458'

TUBING RECORD	Size <u>2 7/8"</u>	Set At <u>4482</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <u>1/1/94</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil <u>15</u> Bbls.	Gas <u>60</u> Mcf	Water <u>9</u> Bbls.	Gas-Oil Ratio <u>4000</u>	Gravity <u>9</u>
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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 4386-4458'

5-077-2272-0000 RECEIVED

Wichita, Kansas  
 Great Bend, Kansas

ORIGINAL NOV 29 1993

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

# ALLIED CEMENTING CO., INC. 5827

Home Office P. O. Box 31 Russell, Kansas 67665

0-93	Sec. 7	Twp. 31	Range 8W	Called Out 4:00P	On Location 6:00P	Job Start 8:15	Finish 9:00
WELDON	Well No. 4-7		Location MAG PLANT 1/2W-5/SIDE		County HARPER	State KANSAS	

Contractor **VAI ENERGY Bldg #7**

Job **SURFACE CASING**

Hole Size 12 1/4	T.D.
Csg. 85/8 24#	Depth 253 FT
Tbg. Size	Depth
Drill Pipe 4 1/2	Depth
Tool	Depth
Cement Left in Csg. 15 FT	Shoe Joint
Press Max.	Minimum
Meas Line	Displace Fresh H <sub>2</sub> O 15.25
Pctf.	

Owner **ENERGY MARKETING INC.**  
 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 **VAI-ENERGY Inc.**  
 Street **Box 322**  
 City **Haysville** State **Ko 67060**

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

Purchase Order No.  
 X **Dale Smith**

**CEMENT**

Amount Ordered	17060/40.52.00 + 2.76 C&I		
Consisting of			
Common	102	5.75	586.5
Poz. Mix	68	3.00	204.0
Gel.	3	2.00	21.0
Chloride	5	25.00	125.0
Quickset			

STATE RECEIVED  
 FEB 2-294  
 FEB 170-2 1994  
 COMMISSION

Handling	1.00	170.0
Mileage	29	197.0
Sub-Total		
Total		130.3

**EQUIPMENT**

No. 265	Cementer <b>272</b>	<b>NEAL R.</b>
	Helper	<b>CARL B.</b>
No.	Cementer	
	Helper	
	Driver	<b>MARK B.</b>
No.	Driver	

DEPTH of Job **253 FT**

Reference:	Pump Truck	430.00
	29 Mileage	65.25
	1 85% Wooded Plus	42.00
	Sub-Total	
	Tax	
	Total	537.25

Remarks:  
**CEMENT DID CIRCULATE!**

Floating Equipment:  
 Total \$ **1840.95**  
 Disc **368.19**  
**1472.76**

WELL DATA  
 FIELD \_\_\_\_\_ SEC 7 TWP. 31s RING 8w COUNTY Harper STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 DISC DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u		5 1/2	KB	4519	
LINER						
TUBING						
OPEN HOLE			7 7/8	4519	4520'	SHOTS/FT.
PERFORATIONS				ORIGINAL		
PERFORATIONS				ORIGINAL		
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert</u>	<u>1</u>	<u>HCS</u>
FLOAT SHOE		
GUIDE SHOE <u>Reg</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>S-4</u>	<u>6</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER <u>Basket</u>	<u>1</u>	<u>"</u>

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-15</u>	DATE <u>11-16</u>	DATE <u>11-16</u>	DATE <u>11-16</u>
TIME <u>19:30</u>	TIME <u>1:30</u>	TIME <u>02:00</u>	TIME <u>05:30</u>

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_  
 NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL. LB \_\_\_\_\_ IN \_\_\_\_\_  
 GELLING AGENT TYPE \_\_\_\_\_ GAL. LB \_\_\_\_\_ IN \_\_\_\_\_  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL. LB \_\_\_\_\_ IN \_\_\_\_\_  
 BREAKER TYPE \_\_\_\_\_ GAL. LB \_\_\_\_\_ IN \_\_\_\_\_  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL. LB \_\_\_\_\_  
 PERFRAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Byrly</u>	<u>85826</u>	<u>39601 P.U. PRATT</u>
<u>D. Bigler</u>	<u>C1690</u>	<u>52504 KC5</u>
<u>D. Zumbach</u>	<u>62538</u>	<u>50808 KC5</u>

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB 5 1/2" Long string  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE X Gary Sharp  
 HALLIBURTON OPERATOR Allen Byrly COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>225</u>	<u>5950</u>	<u>Por 2</u>	<u>8</u>	<u>10% Salt, 5% Silicate, .75 Holcol-332</u>	<u>1.42</u>	<u>13.6</u>

PRESSURES IN PSI  
 CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DIEPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 28.44 REASON Shoe st.

SUMMARY  
 PRES LBS. BBL. GAL. 12 TYPE SuperFlush  
 LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_  
 TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL: BBL. GAL. \_\_\_\_\_  
 CEMENT SLURRY BBL. GAL. 56.9 - 3.2 in Rathole  
 TOTAL VOLUME: BBL. GAL. \_\_\_\_\_  
 REMARKS  
15 sks in Rathole  
3 bbl SPACER Ahead and Bonded SuperFlush

CUSTOMER  
 EM I  
 LEASE  
 Kernohan  
 WELL NO.  
 4-7  
 JOB TYPE  
 Long string  
 DATE  
 11-16-13