

ORIGINAL

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

Operator: License # 9449

Name: Great Eastern Energy & Dev. Corp

Address 5990 Greenwood Plaza Blvd.
Suite 127

City/State/Zip Greenwood Village, CO
80111

Purchaser: _____

Operator Contact Person: D.G. Jumper

Phone (303) 773-6016

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: John Smith

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD SIOV 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 PBTB
- Combingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

01-11-97 01-17-97 01-17-97
 Spud Date Date Reached TD Completion Date

API NO. 15- 047-21415 0000

County Edwards County, Kansas

SE -NW -NW - Sec. 3 Twp. 26S Rge. 16 XXV^E

4340 *Irregular Section
Feet from S/W (circle one) Line of Section

4480 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 Southwestern College Well # 15

Field Name WIL

Producing Formation _____

Elevation: Ground 2079' KB 2088'

Total Depth 4137' PBTB _____

Amount of Surface Pipe Set and Cemented at 475' 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/ _____ sk cnt.

Drilling Fluid Management Plan P+A, 3-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

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, 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 D.G. Jumper
 Title President Date 2/12/97

Subscribed and sworn to before me this 12th day of February
19 97
 Notary Public Kathleen D. Andersen
Kathleen D. Andersen
 Notary Commission Expires 2/13/99

2-18-97

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)

JAN 19 1960

SIDE TWO

Great Eastern Energy & Dev. Corp.

Southwestern College

15

Operator Name East
Sec. 3 Twp. 26S Rge. 16 West

Lease Name Well #
County Edwards County, Kansas

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3762'	-1674'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3783'	-1695'
List All E. Logs Run:		Douglas	3802'	-1714'
		Brown Lime	3911'	-1823'
		Lansing	3932'	-1844'
		Lansing "140"	4066'	-1978'
		Log TD	4139'	-2051'

DIL
Comp Neu/Dens w/GR

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"	23#	475'	60/40 Poz	270	3%cc 2%gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

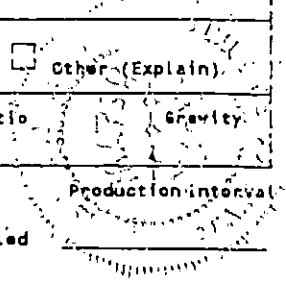
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

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

Date of First, Resumed Production, SWD or Inj. P&A Producing Method Flowing Pumping Gas Lift Other (Explain)

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



Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACD-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

ORIGINAL

Operator Name Great Eastern Energy & Dev. Corp. Lease Name Southwestern College Well # 15
Sec. 3 Twp. 26S Rge. 16 East
 West county Edwards County, Kansas

15-047-21415

Drill Stem Tests:
DST #1
4060 - 4073

Lansing "140" Zone
Open 10 min. w/week blow (1/4" - 1 1/4")
SI 30 min. Open 60 min. w/week blow (2").
SI 120 min.
Recovery: 60' GIP
15' SI OCM (1% Oil)
Pressures: IHP 1952 PSI
IFP 52-41 PSI
ISI 343 PSI
FFP 41-41 PSI
FSI 873 PSI
FHP 1952 PSI
BHT 111°

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ALLIED CEMENTING CO., INC. - 4795

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

SERVICE POINT:
Est Bend

DATE <u>1-17-97</u>	SEC. <u>3</u>	TWP. <u>26</u>	RANGE <u>16</u>	CALLED OUT <u>10:30 AM</u>	ON LOCATION <u>12:30 PM</u>	JOB START <u>2:30 PM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>South Western College</u>			WELL# <u>15</u>	LOCATION <u>Trinidad - 1/2 N, 1/2 E, 5/5</u>		COUNTY <u>Edwards</u>	STATE <u>Ka</u>

OLD OR NEW (Circle one)

CONTRACTOR Dude #4
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8" T.D. 4137'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2" DEPTH 1080'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Same ORIGINAL
 CEMENT _____
 AMOUNT ORDERED 125 lbs 60/40 620 1st
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____
 TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER Tom D.
 # 181 HELPER Bob B.
 BULK TRUCK _____
 # 342 DRIVER George
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Mixed - 50 lbs @ 1080' ✓
50 lbs @ 500'
10 lbs @ 40'
15 lbs in Rathole
Frank

SERVICE

DEPTH OF JOB 1080'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG 1-8 3/8 Duplex @ _____
 _____ @ _____
 TOTAL _____

CHARGE TO: Dent Eastern Energy & Development Corp.
 STREET 5990 Greenwood Village Blvd, Suite 127,
 CITY Greenwood Village STATE Colo ZIP 80111

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 _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE X R. Whelan

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15-047-21415

GEOLOGICAL REPORT

Great Eastern Energy and Development Corp.
 Southwestern College #15
 4340' FSL & 4480' FEL of Section (Irregular)
 Sec 3, T26S - R16W
 Edwards County, Kansas

Elevation: 2079 GL, 2088 KB

Contractor: Duke Drilling Co., Inc. #5929

Spud Date: 1/11/97

Drilling Completed: 1/17/97, P & A 1/17/97

Total Depth: 4137 Rotary, 4139 Logged

Surface Casing: 8 5/8 @475 w/270 sx 60/40 Pozmix

Mud Program: Mud - Co / Service Mud, Inc.

Testing: Western Testing Co., Inc.

Logging: ELI Wireline Services, Inc.
 DIL & Comp Dens / Neu

Samples: 10' Samples 3500 - TD
 Samples Saved. Samples not filed w/State

Drill Time: 1' Intervals 3500 - TD

Daily Report: 1/12/97 475 WOC
 1/13/97 1746 Drlg
 1/14/97 2735 Drlg
 1/15/97 3551 Drlg
 1/16/97 4073 C.F.S.
 1/17/97 4137 Logging

Hole Surveys: 475 - 1/4°
 2095 - 0°
 4073 - 3/4°

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Formation Log Tops:	Heebner	3762	(-1674)
	Toronto	3783	(-1695)
	Douglas	3802	(-1714)
	Brown Lime	3911	(-1823)
	Lansing	3932	(-1844)
	"140" Zone	4066	(-1978)
	TD	4139	(-2051)

Pay Zone: Lansing "140" Zone
 4065 - 4073 Buff, medium crystalline to oolitic, faint live oil stain, fluor. & cut fluor. fair porosity, rare foss. DST #1

Structural Comparison (Log Tops):

<u>Formation</u>	<u>SW College #2</u> 2535 FNL & 330 FWL-NW/4	<u>SW College #15</u> This Well.	<u>SW College #10</u> 1650 FSL 1650 FWL
Heebner	-1675	-1674	-1669
Lansing	-1841	-1844	-1835
"140" Zone	-1973	-1978	-1965

Drill Stem Tests: Lansing "140" Zone
 DST #1 Open 10 min. w/week blow (1/4" - 1 1/4")
 4060 - 4073 SI 30 min. Open 60 min. w/week blow (2").
 SI 120 min.
 Recovery: 60' GIP
 15' SI OCM (1% oil)
 Pressures: IHP 1952 PSI
 IFP 52-41 PSI
 ISI 343 PSI
 FFP 41-41 PSI
 FSI 873 PSI
 FHP 1952 PSI
 BHT 111°

Remarks and Recommendations:

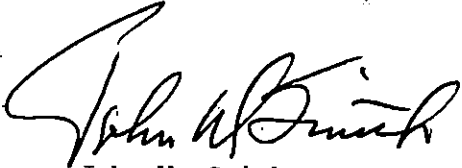
The primary objective, the Lansing "140" Zone, was encountered structurally lower than anticipated at a log datum of -1978'. This is 5' lower than a previously believed downdip west offset to the SWC #15. Despite a drilling break to 1 min/ft for the "140" interval, fair sample porosity and a fair display of oil shows, the "140" Zone had drill stem test results which indicate

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the absence of any reservoir column within this wellbore. I believe this eliminates the possibility for the SWC #15 to make a viable injection well for a waterflood.

The Southwestern College #15 was plugged and abandoned on 1/17/97.

Respectively Submitted,



John W. Smith
Petroleum Geologist
2323 1/2 South Rim Drive
Grand Junction, Colorado 81503
(970) 241-1472

dated: January 21, 1997

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