

MUST BE TYPED

COPY

3161

28-14-22E

SIDE ONE

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

Operator: License # 9511

Name: Alternative Energy Systems

Address Rt. 2 Box 2153

City/State/Zip Cuba, MO 65453

Purchaser: Enron

Operator Contact Person: Mrs. Hays

Phone (341) 885-7312

Contractor: Name: Hughes Drilling

License: 5682

Wellsite Geologist: none

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SOW 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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3-15-91 3-20-91 3-25-91
Spud Date Date Reached TD Completion Date

API NO. 15- 091-22,245

County Johnson

SE NW - SE Sec. 28 Twp. 14 Rge. 22 E W

1685 Feet from S/W (circle one) Line of Section

1685 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 Meyers Well # 33

Field Name Infill

Producing Formation Barltesville Sand

Elevation: Ground n/a KB n/a

Total Depth 892 PBSD _____

Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 895

feet depth to 0 w/ 110 sx cnt.

Drilling Fluid Management Plan 12-25-91
(Date must be collected from the Reserve Pit)

Used fresh water for drilling

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 [Signature]
Title _____ Date 11-25-91

Subscribed and sworn to before me this 25 day of November, 1991.

Notary Public Teressa A. Longstreet

Date Commission Expires July 10, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
STATE CORPORATION COMMISSION
Distribution
KCC SWD/Rep NGPA
LOG 2 1991 Plug Other
(Specify)
CONSERVATION DIVISION
Wichita, Kansas

COPY SIDE TWO

28-14-22E

Operator Name Alternative Energy Systems Lease Name Meyers Well # 33
 East County Johnson
 West
Sec. 28 Twp. 14 Rge. 22

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:

Gamma Ray-Neutron

Log Formation (Top), Depth and Datum Sample
Name Top Datum
Base of Kansas City - 402
Barltesville Sand - 865-872
TD - 892

RECEIVED
STATE COMMISSION

DEC 02 1991

CONSERVATION DIVISION
Wichita, Kansas

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	6 5/8	6 1/4		20	portland	5 sacks	
production	5 1/8	2 7/8		895	portland	110 sacks	

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
3	866-874	spot acid on perfs
		frac with 5 sacks of 10-20 sand
		& 30 sacks of 8-12 & 70 bbls. oil

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	1"	set @ 865 feet			
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
6-10-91					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	5	0	0		22

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: 866-874

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WEAVERVILLE, KANSAS 66092

3-20-91 3-25-91

COPY

LOG
MEYERS

28-14-22E

OPERATOR

Alternative Energy Systems,
Inc.

Route #2, Box #2153
Cuba, Mo. 65453

WELL NO. 33

API #15-091-22,245

JOHNSON CO., KS.

1685' FSL of Section

SEC. 28, TWP. 14S, RNG. 22E

1685' FEL of Section

APX NW SE

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	149	Shale (Sdy. 437-442)	549
29	Clay	31		(Sdy. 504-512)	
7	Shale	38	2	Slate	551
3	Lime	41	23	Shale	574
6	Shale	47	4	Lime	578
18	Lime	65	2	Shale	580
9	Shale (Slate 71-71)	74	7	Lime	587
7	Lime	81	4	Shale	591
10	Shale	91	16	Shale	613
2'	Lime	112	3	Lime(Brown)	616
13	Shale	125	7	Shale	623
6	Lime	149	12	Lime	635
6	Shale (Sdy. 149-151)	155	7	Shale	642
54	Lime	209	7	Red Bed	649
19	Shale	228	15	Shale (Broken 660-664)	664
9	Lime	237	2	Lime	666
22	Shale (Broken 253-259)	259	16	Shale	682
7	Lime	266	5	Gray Sand	687
2	Shale	268	29	Shale	716
9	Lime	277	1	Lime	717
35	Shale	312	27	Shale(Lime break 7 32)	744
2	Lime	314	4	Sdy. Shale (Lamin. w/ Brown Sand)	748
10	Shale	324	21	Shale	769
26	Lime 30'	350	3	Lime	772
6	Slate (Slate 353-354)	356	11	Shale	783
24	Lime 20'	380	2	Lime	785
4	Shale (Slate 383-384)	384	33	Shale (Slate 796-797) (Slate 814-815)	818
5	Lime	389	3	Sdy. Lime	821
5	Shale	394	18	Shale	839
			2	Slate	841

TRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WETTSVILLE, KANSAS 66092

COPY

LOG

OPERATOR

28-14-22E

MEYERS

WELL NO. 33

API #

cont.

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
21	Shale (Lt. Sdy. 845-851) (Limebreak 857)	862			
11.5	Oil Sand	873.5			
26.5	Shale	900 T.D.			

3/20/91-3/25/91

Drilled 900 ft. of 5 1/8" hole.
 Set 10 ft. of 7" surface pipe.
 Cemented in with 5 sacks cement.
 Cored BARTLESVILLE ZONE 862.5'-877.5'.
 Set 891.20 ft. of 2 7/8" 8 rd. upset pipe.
 Seating nipple at 859 ft.
 Used 3 centralizers.
 Float shoe on bottom.
 10 rd. reg. weldon collar on top.

RECEIVED
STATE CORPORATION COMMISSION

DEC 04 1991

HUGHES DRILLING CO.

Pg. 1

28-14-22E

Wellsville, Kansas 66092

COPY

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME

Ron 913-883-4655
Clay 913-883-4383

LEASE MEYERS #33

FORMATION Wellsville

DATE: 3/23/91

~~Shave Bit~~

FROM	FEET TO	TIME	MINUTES	REMARKS
862	862.5	Chip Sample		Sdy lime (Bleeding Oil)
862.5	863.5	6:23.0 - 6:23.45	.45	862.5 - 864 (Bleeding Oil) Oil sand lamin. w/white sand
863.5	864.5	6:24.45	1.00	
864.5	865.5	6:26.15	1.30	White sand 864-865 (little Bleeding Oil)
865.5	866.5	6:27.15	1.30	Sdy lime 865-865.5
866.5	867.5	6:28.45	1.30	Solid sand (Bleeding Oil) 865.5 - 866.5
867.5	868.5	6:30.15	1.30	866.5 - 871.5 Sand lamin. w/shale (Bleeding Oil)
868.5	869.5	6:31.45	1.30	
869.5	870.5	6:33.15	1.30	
870.5	871.5	6:35.00	1.45	871.5 - 873.5 (some Bleeding Oil)
871.5	872.5	6:37.45	2.45	
872.5	873.5	6:40.15	2.30	Shale
873.5	874.5	6:45.15	5.00	
874.5	875.5	6:50.30	5:15	
875.5	876.5	6:56.00	5:30	
876.5	877.5	7:02.00	6.00	
877.5	878.5			
878.5	879.5			
879.5	880.5			

REGISTERED
STATE OF KANSAS

DEC 04 1991