

ORIGINAL

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: HILL 1-2

Comp. Date 5-4-55 Old Total Depth 3310

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 3225 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3-30-98 Spud Date 04 Date Reached TD 4-13-98 Completion Date

Start of workover.

API NO. 15- 129-10482 -0001

County MORTON

SW - SW - NE Sec. 2 Twp. 34S Rge. 42 X E W

2840 Feet from S (circle one) Line of Section

2400 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name HILL 5-26-1998 Well # 1-2

Field Name GREENWOOD

Producing Formation TOPEKA & GREENWOOD LANSING

Elevation: Ground 3396 KB _____

Total Depth 3310 PBDT 3225

Amount of Surface Pipe Set and Cemented at 519 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 Re-work, 6-22-98 v.c.
(Data must be collected from the Reserve Pit) NOT APPLICABLE

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, 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.

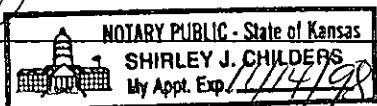
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Shawn D. Young
SHAWN D. YOUNG
Title DIVISION PRODUCTION ENGINEER Date 5/20/98

Subscribed and sworn to before me this 20th day of May 19 98.

Notary Public Shirley Childers

Date Commission Expires _____



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)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HILL Well # 1-2

Sec. 2 Twp. 34S Rge. 42 East County MORTON
 West

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:

Log Formation (Top), Depth and Datums Sample
 Name Top Datum

SEE ATTACHED SCOUT TICKET

** Original Completion CASING RECORD							
Report all strings set-conductor, <input checked="" type="checkbox"/> New <input type="checkbox"/> Used, 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	15	10-3/4	32.75	519	NA	350	NA
** PRODUCTION	9-5/8"	7	20	3294	NA	300	NA

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	2880-2900, 2971-2978, 3013-3020, 3042-3054		ACID FRAC: 20000 GAL 60 QUAL N2 FOAMED 28% HCL	2880-3054
	CIBP @ 3225'			

TUBING RECORD	Size 2-3/8	Set At 3206	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. RESUMED: 4-8-98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas 261 Mcf	Water 29 Bbls.	Gas-Oil Ratio --	Gravity
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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 2888-3215
 Other (Specify) _____

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FULL WELL

15-12910482-0001

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PANHANDLE EASTN PIPELINE
2 of 3 Wells

*** Well Header ***
(MID-CONTINENT - HISTORICAL WELL)

APR 11 1998 10:04

API Nbr: 15129104820000 State: KANS County: MORTON
Oper: PANHANDLE EASTN PIPELINE Oper Code: 112449
Well: 1-2 Lease: HILL
Lease Nbr: Lease Type:
Province: ANADARKO BASIN Prov Code: 360
Field: GREENWOOD GAS Field Code: 000919
Prop Source Code: PI

Meridian: 6TH PRINCIPAL Meridian Code: 06
Twp: 034S Rng: 042W Sec: 2 Spot: SW SW NE
Footages: 2840FSL 2400FEL CNGRS T-R-SEC /FULL SEC
Lat: 37.12038 Ref Lat:
Source: TSS27 Long: 101.85304 Ref Long:

*** TDG Surface Location Information ***

Source: Dwights (pre-1997) Method: Machine/bisection
Quality: Location falls at same sp
Location: 6P 34S 42W 2 2970S 2310E

Oper Elev: 3399DF 3396GR Rig Ht:
Drlr Depth: 3305 Old TD: Form@TD: 405LNSG
PB Depth: 3222 Oldest Age Pen: PENNSYLVAN Log TD: 3307

Status: GAS Spud Date: 04/03/1955 WHCS Date: 195505
Hole Dir: Comp Date: 05/04/1955 Last Update: 199802
Numeric Class: INL-6 FNL-2
Alpha Class: INL-D FNL-DG
Prod Form: 406TOPK 405LNSG

Contr: GARVEY Tools: ROTARY Rig Nbr:

*** Casing / Liner / Tubing ***

Casing Size: 10 3/4 Depth: 519 Cement: 350 SX
Casing Size: 7 Depth: 3294 Cement: 300 SX

*** Initial Potential Tests ***

IPF: 30407 MCFD Cut:
Prod Form: 406TOPK Thru: PERF
Type Perfs: w/ 4 FT Intrvl: 2913-3110 GROSS
Prod Form: 405LNSG Thru: PERF
Type Perfs: w/ 4 FT Intrvl: 3152-3215 GROSS
Shut-in Pressure: 425 (BH) Slope:
FPCAOF: ATP: ISP:

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*** Formation Tops ***

Study: Interpreter: OPERATOR
Subsea calculated from: 3399 DF

Src Form CD	Formation Name	MD	TVD	SHOW	Subsea
LOG 406WBNS	WABAUNSEE	2657			742
LOG 406TOPK	TOPEKA	2888		IP GAS	511
LOG 405LNSG	LANSING	3145		IP GAS	254

*** Formation Bases ***

*** Fault Data ***

*** Core Descriptions ***

*** Formation Test Data ***

*** Production Tests ***

PTF: 0 GOPH 28 BW Cut:
 Prod Form: Thru: PERF
 Type Perfs: w/ 4 FT Intrvl: 3231-3236
 Water Type: SWTR Water Salinity:
 Resistivity: Temperature:
 Remarks:
 Type of Shut-off: SQUEEZED
 Shut-off Intervals: 3231-3236 - -

PTF: 400 MCFD Cut:
 Prod Form: 405LNSG Thru: PERF
 Type Perfs: w/ 4 FT Intrvl: 3184-3215 GROSS
 Open/Perf: PERF
 Perf Detail: 3184-3188 3191-3195 3198-3201
 3205-3210 3210-3215 -

PTF: 1791 MCFD Cut:
 Prod Form: 405LNSG Thru: PERF
 Type Perfs: w/ 4 FT Intrvl: 3184-3215 GROSS
 Type of Trtmnt: ACID Interval: 3184-3215
 Vol or Wt: 1000 Measure: GALS Trtmnt Fluid:
 Amt of Prop Agnt: Prop Agnt: FBRKP:
 Avg Rate of Inj: Type ADDTV: Nbr of Stgs:
 Remarks:

PTF: 2924 MCFD Cut: 2 HRS
 Prod Form: 405LNSG Thru: PERF
 Type Perfs: w/ 4 FT Intrvl: 3152-3170 GROSS
 Open/Perf: PERF
 Perf Detail: 3152-3157 3160-3170 -
 Type of Trtmnt: ACID Interval: 3152-3170

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Vol or Wt: 2000 Measure: GALS Trtmnt Fluid:
Amt of Prop Agnt: Prop Agnt: FBRKP:
Avg Rate of Inj: Type ADDTV: Nbr of Stgs: 2
Remarks:

PTF: 2459 MCFD Cut:
Prod Form: 406TOPK Thru: PERF
Type Perfs: w/ 4 FT Intrvl: 3021-3110 GROSS
Open/Perf: PERF
Perf Detail: 3021-3041 3090-3095 3102-3110

PTF: 18717 MCFD Cut: 6 HRS
Prod Form: 406TOPK Thru: PERF
Type Perfs: w/ 4 FT Intrvl: 3021-3110 GROSS
Type of Trtmnt: ACID Interval: 3021-3110
Vol or Wt: 2000 Measure: GALS Trtmnt Fluid:
Amt of Prop Agnt: Prop Agnt: FBRKP:
Avg Rate of Inj: Type ADDTV: Nbr of Stgs:
Remarks:

PTF: 19667 MCFD Cut: 5 HRS
Prod Form: 406TOPK Thru: PERF
Type Perfs: w/ 4 FT Intrvl: 2913-2952 GROSS
Open/Perf: PERF
Perf Detail: 2913-2917 2927-2932 2945-2952
Type of Trtmnt: ACID Interval: 2913-2952
Vol or Wt: 5000 Measure: GALS Trtmnt Fluid:
Amt of Prop Agnt: Prop Agnt: FBRKP:
Avg Rate of Inj: Type ADDTV: Nbr of Stgs: 2
Remarks:
Type of Shut-off: PLUGGED OFF PBTB: 3222
Shut-off Intervals: 3222-3305 - -

*** Log Surveys ***

LOG INTRVL LOG TYPE LOG CO LOG INTRVL LOG TYPE LOG CO
00000-03307 EL SCHL

*** Drilling Shows ***

*** Porosity Zones ***

*** Drilling Data ***

*** Miscellaneous Data ***

*** Proposed Bottom Hole Location ***

*** Actual Bottom Hole Location ***

*** Deviation Data ***

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*** Directional Survey **

*** Horizontal Drilling Data ***

*** Tenroc Geology Data ***

*** Tenroc Sand Data ***

*** Tenroc Hydrocarbon Data ***

*** Tenroc Mud Data ***

*** Tenroc Fault Data ***

*** Narrative Data ***

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