

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. KAPPLER

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: _____

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: _____

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. _____

6-17-97 6-19-97 7-22-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21631-0000

County SEWARD

NW - NW - NW - NW Sec. 15 Twp. 33 Rge. 33 E W

200 Feet from X (circle one) Line of Section

200 Feet from X (circle one) Line of Section

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

Lease Name BRACK "A" Well # 1H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2817.5 KB _____

Total Depth 2750 PBSD 2680

Amount of Surface Pipe Set and Cemented at 557 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 AH 1, 4-9-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 9900 ppm Fluid volume 400 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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.

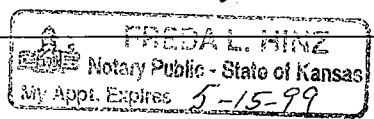
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 10-8-97

Subscribed and sworn to before me this 8th day of October
19 97.

Notary Public Freda R. Hines

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BRACK "A" Well # 1H

Sec. 15 Twp. 33 Rge. 33 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 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: CBL-CCL-GR, DIL, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
GLORIETTA	1088-1244	
B/STONE CORRAL	1624	
HERINGTON	2578	
U. KRIDER	2608	
L. KRIDER	2643	
WINFIELD	2691	

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"	23.0	557	CLASS C/ CLASS C.	100/100	3% D-79, .2% D-46, 2% SALT, 1/4#SK D-29/ 2% SALT, 1/4#SK D-29.
PRODUCTION	7-7/8"	5-1/2"	15.5	2741	CLASS C/ CLASS C.	200/100	3% D-79, .2% D-46, 2% SALT, 1/4#SK D-29/ SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	
	2	2580-2594.		ACID: 1150 GAL 15% FeHCL.
			FRAC: 17161 GAL FMD GEL & 36000# 16/30 SD	2580-2594
3	2608-2622, 2643-2676.		NONE.	
3	2700-2736.		NONE	
TUBING RECORD	Size 2-3/8	Set At 2667	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 8-14-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		69	40		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Production Interval 2580-2676 (OA)
 Other (Specify) _____

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. **Brack A-1H** LOCATION (LEGAL) **Sec 15-335-38W**
FIELD-POOL **SURFACE**
FORMATION **SURFACE**
COUNTY/PARISH **Seward** STATE **KS** API. NO.

NAME **APX**
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS
Setleg cement SURFACE CASING and directed to customer.

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE **228** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT **1500** PSI BUMP PLUG TO **1138** PSI
ROTATE **—** RPM RECIPROCATE **—** FT No. of Centralizers **4**

RIG NAME: **NORMAN #4**
WELL DATA: BIT SIZE **12 1/4** CSG/Liner Size **8 5/8**
TOTAL DEPTH **557** WEIGHT **2416**
FOOTAGE **556**
MUD TYPE GRADE
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **4.2**
MUD VISC. Disp. Capacity **32.7**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
SHOE Float TYPE **Office Fill** DEPTH **514**
Stage Tool TYPE **Cmt No 50** DEPTH **557**

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT
 Single GRADE TAIL PIPE: SIZE DEPTH
 Swage THREAD TUBING VOLUME Bbls
 Knockoff NEW USED CASING VOL. BELOW TOOL Bbls
BOT OR DEPTH TOTAL Bbls
ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME **1500** DATE **6-17-97** ARRIVE ON LOCATION TIME **2315** DATE **6-17-97** LEFT LOCATION TIME **0200** DATE **6-18-97**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0000								PRE-JOB SAFETY MEETING
0019	✓	1585	-	-	-	-	-	psi test
0022	✓	125	10		5.6	H2O 8.3		START H2O ahead
0024	✓	115	57	10	5.6	CMT 11.1		START Lead CMT
0034	✓	195	238	67	5.6	CMT 14.8		START Tail CMT
0037	✓	-	-	-	-	-	-	SHUT DOWN
0038	✓	80	25	90.8	5.0	H2O 8.3		PROP Plug - START DISP
0045	✓	795	75	115.8	2	H2O 8.3		Lower Rate
0049	✓	1138	-	123.8	-	-	-	Bump Plug - SHUT DOWN
0050	✓	-	-	-	-	-	-	Bleed psi
0052	✓	-	-	-	-	-	-	End Job

REMARKS: **Stop to SURFACE 63.7**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BBLs	DENSITY	BBLs	DENSITY	
1.	100	3.2	100 SKS class C Cmt + 280 079 + 28 046 + 20 317 + 46 5K 029	57	11.1		
2.	100	1.34	100 SKS class C Cmt + 28 51 + 14 1/2 SK 029	23.8	74.3		
3.							
4.							
5.							
6.							

BREAKDOWN FLUID TYPE
 HESITATION SO. RUNNING SO. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **36.3** Bbls
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **32.7** Bbls TYPE OF WELL OIL STORAGE BRINE WATER
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT
PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Sergio** DS SUPERVISOR **Bullman Fine**



Service Order

20-Jun-97

Customer ANADARKO PETROLEUM COMPANY		Person Taking Call GERARD JIM		Dowell Location Ulysses, KS		Order Date 6/19/97		Job Number 20003140	
Well Name and Number Brack A-1H			Legal Location Sec 15-38S-33W		Field Hugoton		County Seward		State/Province Kansas
Rig Name Norseman #4		Well Age New	Service Engineer COLE STEPHEN			Job Type Cem Prod Casing			
Time Well Ready: 6/20/97 9:30 AM		Deviation 0	SP Size 7.88 in	Well MD 2,750 ft	Well TVD 2,750 ft		BNP 0 psi	BNST 95 °F	BNCT 85 °F
Treat Down Casing	Packer Type None	Packer Depth 0 ft	Wellhead Connection Single cement head		NHP on Location 500	Max Allowed Pressure 2000		Max Allowed Ann Pressure 0	
Casing					Services Instructions: 200 sks Class C + 3% D79, 2% S1, 0.2% D46, 0.25lbs D29/sk 100 sks Class C + 3% D79, 2% S1, 0.2% D46, 0.25lbs D29/sk 10 bbls CW100				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
2740	5.5	14.5	K55	8RD					
0	0	0	WC-50						
Tubing					Extra Equipment: 1- 5 1/2 Cement Nose Guide Shoe 1- 5 1/2 Orifice Fill Insert Float 14- 5 1/2 Centralizers 1- 5 1/2 Top Plastic Plug 1- Thread Lock Kit				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
0	0	0							
0	0	0							
Perforated Intervals									
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval					
0	0	0	0	0 ft					
0	0	0	0	Dispart					
0	0	0	0	0 in					

Contact	Voice	Mobile	FAX	Notes
Mark Wright	(316) 629-4327			

Notes:

Directions:
Junction of 83 & 51, 1mi north, 1/2mi east, south into location

Other Notes:

Comments:

1997 JUN -9 A 11:39
 20003140

ORIGINAL

RECEIVED
KANSAS CORP COMB
1997 OCT -9 A 11:39

Fluid Systems:

System: Tail 100 sks Class C + 3% D79, 2% S1, 0.2 D46, 0.25lbs D29/sk

Density: 12.8 lb/gal Thickening Time:
Yield: 2 ft³/sk Viscosity: cp
H2O: 1110gal Break Time:
Eq. Sack Weight: 94 lb

Dowel Code	Conc/Amount	Unit	Total Quantity
S001	2	% BWOB	188
D029	0.25	lbs/sk	25
D046	0.2	% BWOB	18.8
D079	3	% BWOB	282
D903	100	sacks	100

System: Lead 200 sks Class C + 3% D79, 2% S1, 0.2% D46, 0.25lbs D29/sk

Density: 11.1 lb/gal Thickening Time:
Yield: 3.2 ft³/sk Viscosity: cp
H2O: 4060 gal Break Time:
Eq. Sack Weight: 94 lb

Dowel Code	Conc/Amount	Unit	Total Quantity
S001	2	% BWOB	376
D029	0.25	lbs/sk	50
D046	0.2	% BWOB	37.6
D079	3	% BWOB	564
D903	200	sacks	200

System: Wash CW100

Density: 8.33 lb/gal Thickening Time:
Yield: ft³/sk Viscosity: cp
H2O: 0gal Break Time:
Eq. Sack Weight: 0 lb

Dowel Code	Conc/Amount	Unit	Total Quantity
J237A	5.95	gal/1000 gal	0
D122A	11.9	gal/1000 gal	0