

FORM MUST BE TYPED

SIDE ONE

COPY

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

Operator: License # 4549Name: ANADARKO PETROLEUM CORPORATIONAddress P. O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351Purchaser: ANADARKO ENERGY SERVICESOperator Contact Person: G. B. SMITHPhone (316) 624-6253Contractor: Name: NALicense: NASite Geologist: NA

Designate Type of Completion

 New Well Re-Entry X Workover X Oil SWD SLOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATIONWell Name: MORGAN "J" NO. 1Comp. Date 10/14/93 Old Total Depth 5830' Deepening X Re-perf. Conv. to Inj/SWD X Plug Back 5450' PBDT Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 03/08/97 03/18/97Date of **START** Date Reached TD **OF WORKOVER** Completion Date **OF WORKOVER**API NO. 15- 175-21,3180001County SEWARD - NW - SE - SE Sec. 06 Twp. 32S Rge. 33 X E1250 Feet from (S) N (circle one) Line of Section1250 Feet from (E) W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name MORGAN "J" Well # 1Field Name ANGMANProducing Formation MORROW LIMEElevation: Ground 2757.5 KB --Total Depth 5830' PBDT 5450'Amount of Surface Pipe Set and Cemented at 1586 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan REWORK 87 6-17-97
(Data must be collected from the Reserve Pit)
NOT APPLICABLEChloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty 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 John A. BromanTitle DIVISION PRODUCTION ENGINEER Date 6/9/97Subscribed and sworn to before me this 9th day of June 19 97.Notary Public Bureau J ChildersDate Commission Expires 11/14/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 X KCC SWD/Rep NGPA
 X KGS Plug Other (Specify) FS

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MORGAN "J" Well # 1Sec. 16 Twp. 32S Rge. 33
☐ East
☒ WestCounty 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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E.Logs Run:

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

(SEE ORIGINAL ACO-1 - ATTACHED)

** Original Completion

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" | 24.0 | 1586' | POZ&CLASS"H" | 725 | 4% TOT GEL, 2%CC, 2% CC |
| ** PRODUCTION | 7-7/8" | 5-1/2" | 15.5 | 5661' | POZ&THIXSET | 195 | .25#/SX FLOCELE 25#/SX FLOCELE |
| | | | | | | | |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|--------------------|------------------|----------------|-------------|----------------------------|
| ___ Perforate | | | | |
| ___ Protect Casing | | | | |
| ___ Plug Back TD | | | | |
| ___ 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 |
|---|---|--|---|
| | SET CIBP @ 5450' | ACIDIZED W/1000 GAL 15% HCL + ADD. | 5300-5310' |
| 2 | 5300-5310' (MORROW LIME) | | |
| 4 | 5498'-5512 | | |
| 2 | 5450'-5455' | | |
| TUBING RECORD | Size 2-3/8" Set At 5271' Packer At 5271' | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Date of First, Resumed Production, SMD or Inj. RESUMED PRODUCTION - 03/16/97 | | Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | |
| Estimated Production Per 24 Hours | Oil 436 Bbls. | Gas 355 Mcf | Water 0 Bbls. Gas-Oil Ratio 814.22 Gravity -- |

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)
☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 5300-5310'
☐ Other (Specify) _____